

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Estimate Cost Rs. 2500000.00

Name of Work: Detailed Estimate for the work of Construction of Additional class rooms at Kondappa layout in ward No-02 of yelahanka Sub Division.

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
A) Building Civil work									
1	KSRB 2-1.1 Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2 1(a) / 2.3.1, No. 5/ Item No. 2 1/ PWD SR 2013-14								
	levelling		1	13.50	8.00	0.20	21.60		
							21.60	124.02	2678.83
	Basic Rate	117.00							
	Area Weightage 6%	7.02							
	Total Rate	124.02							
2	KSRB 2-2.1 Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2 1(a) / 2.3.5, No. 5/ Item No. 2 3/ PWD SR 2013-14								
	Exc for SSM wall foundation	cum	2	13.50	0.90	1.20	29.16		
			7	8.15	0.90	1.20	46.49		
	Columns		14	1.50	1.50	2.00	63.00		
	sump		1	4.00	4.00	2.50	40.00		
							178.65	148.93	26606.84
	S.R Rate	140.50							
	Area Weightage 6%	8.43							
	Total	148.93							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 100-1 Loading and unloading of stone aggregates / sand/anker/ Mooram /soil KSRRB M100-1 Placing tipper at loading with front end loader dumping turning for return trip excluding time for hauled and return trip complete as per specification item No 17.1 page 141 and KSRB M 100.4.1 cost of haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 141 (SR 2013-14)	cum							
			Vide Item No. 2				178.65	78.24	13977.00
	Basic Rate for loading and unloading	62.20							
	Basic Rate for Haulage upto 4.00 k m = 1.28 X 2 X 4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	78.24							
3	KSRB-4-1.1 Providing and laying in position plain cement concrete of nominal mix M7.5 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, H.O.M of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2013-14	cum							
			2	13.50	0.90	0.15	3.65		
			4	6.15	0.90	0.15	3.32		
	Columns		8	1.50	1.50	0.20	3.60		
			3	6.80	4.10	0.15	12.55		
	sump		1	4.00	4.00	0.15	2.40		
	platform		1	27.00	2.00	0.15	6.10		
							33.61	4211.38	141552.90
	Basic	3973.00							
	Area Weightage 8%	238.38							
	Total rate	4211.38							
4	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammer dressed in courses not less than 20 cms high, bond stones at two m, apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2013-14	cum							
			2	13.50	0.75	0.40	6.10		
			2	13.50	0.60	0.40	5.48		
			4	6.30	0.75	0.40	7.56		
			4	6.45	0.60	0.40	5.19		
							28.33		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	deduction		8	0.45	0.30	0.80	0.86		
							27.47	3404.22	95704.55
	Basic	3287.00							
	Area Weightage 6%	197.22							
	Total rate	3484.22							
5	KSRB 5-3-2 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:3, edges of stones chisel dressed in courses not less than 10 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications, KBS 5-1-13 Page No. 25/ Item No. 5.8/ PWD SR 2013-14	cum							
			2	13.50	0.45	0.40	4.86		
			4	6.50	0.45	0.40	4.75		
							9.61		
	deduction		8	0.45	0.30	0.40	0.43		
							9.18	4002.56	36740.50
	Basic	3776.00							
	Area Weightage 6%	226.56							
	Total rate	4002.56							
6	KSRB 15-1-1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm, nicely lining, including cost of materials, labour, curing complete as per specifications, Page No. 122/ Item No. 15.1 / PWD SR 2013-14	sqm							
			2	10.50		0.40	10.80		
			2	7.50		0.40	6.00		
							16.80	78.44	1317.79
	Basic	74.00							
	Area Weightage 6%	4.44							
	Total rate	78.44							
7	KSRB 4-1-5 Providing and laying in position plain cement concrete of nominal mix M 15 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification No. KBS 4-1-4-2 No.12/ Item No. 4.6/ PWD SR 2013-14	cum							
			2	13.50	0.30	0.30	2.43		
			4	6.75	0.30	0.30	2.43		
							4.86	4690.50	22795.63
	Basic	4425.00							
	Area Weightage 6%	265.5							
	Total rate	4690.50							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 2-3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification No. KBS 2-9, No. 6/ Item No. 2.10/ PWD SR 2013-14	cum							
			3	6.80	4.10	0.70	58.55		
							58.55	99.64	5833.72
	Basic	54.00							
	Area Weightage 6%	5.64							
	Total rate	99.64							
10	KSRB 6-2-2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications Specification No. KBS 6.2, Page No. 30/ Item No. 6.7/ PWD SR 2013-14	cum							
	BBM for wall		2	13.50	0.23	3.00	15.63		
			4	6.85	0.23	3.00	15.91		
	sump		2	4.00	0.23	2.50	4.50		
			2	3.80	0.23	2.50	4.37		
							46.51		
	<u>Deductions</u>								
	Main door		1	0.90	0.23	2.10	0.43		
	Door		1	1.20	0.23	2.10	0.58		
			2	0.90	0.23	2.10	0.87		
	Window - W		2	0.90	0.23	1.25	0.52		
			3	1.80	0.23	1.35	1.68		
							4.08		
							42.43	5916.92	251043.67
	Basic	5582.00							
	Area Weightage 6%	304.92							
	Total rate	5916.92							

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 4.1.10 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.875cum and fine aggregates @0.455cum with superplasticiser @ 3litre conforming to IS 5103-1989Reinforced machine mixed exceeding 15mm thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lining courses, parapets, coping, bed blocks, anchor blocks, plain window cills, filters etc, including cost of all materials, labour, HDM of machinery, curing, complete as per specifications. Specification No. KRS 4.1.4.0. No. KRS 4.1.4.5, No. 13/ Item No. 4.1.17 PWD SR 2013-14	cum							
for footings		8	1.50	1.50	0.80	10.80		
		8	0.75	0.75	1.00	4.50		
		8	0.45	0.30	3.70	4.00		
Lintel		2	13.50	0.23	0.20	1.24		
		4	6.85	0.23	0.20	1.26		
beam		2	13.50	0.30	0.80	4.86		
		4	7.30	0.30	0.80	5.26		
roof		1	13.50	2.70	0.15	17.82		
		4	1.50	0.45	0.30	0.86		
staircase		1	5.10	1.00	0.15	0.77		
		1	2.10	1.00	0.15	0.32		
		1	1.50	1.00	0.15	0.23		
		1	5.10	2.10	0.15	1.61		
steps		15	1.00	0.30	0.10	0.45		
flooring		3	6.80	4.10	0.15	12.55		
sump		1	4.00	4.00	0.15	2.40		
		1	14.00	2.00	0.15	4.20		
flat form		1	27.00	2.00	0.10	5.40		
						78.00	5535.32	433414.38
Basic	5222.00							
Area Weightage 6%	313.32							
Total rate	5535.32							
11 KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1, 5:3 with 12 mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cills, average thickness, upto ground floor level, including cost of all materials, labour, HDM of machinery, curing, complete as per specification. Specification NO. KRS 4.1, 4.5 Page No. 15/ Item No. 4.19/ PWD SR 2013-14	sqm							
for chajja		4	9.80		0.50	15.32		
		1	7.30		0.50	4.38		
						20.70	405.98	8403.75
Basic	383.00							

Description of Item		Unit	No	L	B	D	Qty	Rate	Amount
Area Weightage 8%		22.98							
Total rate		405.98							
KSRB 4.6.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, H.O.M of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 10/ Item No. 4.46/ PWD SR 2013-14		Quintal		1.55					
120Kg/cum			1.200	78.30					
				79.86			95.83	7244.04	694175.20
Basic		6834.00							
Area Weightage 8%		410.04							
Total rate		7244.04							
13 KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressomers and lintols not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.34/ PWD SR 2013-14		sqm							
columns		2x8	16	2.70		0.45	26.64		
		2x8	16	2.70		0.30	17.76		
Lintel		2x2	4	10.50		0.20	10.80		
		4x2	8	6.85		0.20	10.96		
beam		2x2	4	10.50		0.45	24.30		
		4x2	8	6.85		0.45	24.66		
		4x2	8	1.60		0.45	6.75		
			4	8.45		0.30	10.14		
							131.02	239.56	31387.15
Basic		226.00							
Area Weightage 8%		13.56							
Total rate		239.56							
14 KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc. , for chajjas, corbels etc. including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.37/ PWD SR 2013-14		sqm							
for chajja			4	0.20		0.60	16.32		
			1	5.10		1.00	5.10		
			1	2.10		1.00	2.10		
			1	1.50		1.00	1.50		
			1	5.10		2.10	10.71		
							35.73	242.74	8673.10
Basic		229.00							
Area Weightage 8%		10.74							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Total rate	242.74							
4.5.2 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.29/ PWD SR 2013-14	sqm							
For Roof		1	13.50		8.65	116.75		
						116.75	284.08	33173.44
Basic	258.00							
Area Weightage 6%	16.08							
Total rate	284.08							
4.7 Supplying and having pressed steel door frame size 125 x 55 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 300 for door openings and shuttles made out of seasoned Hardie wood, styles of 30 mm thick with lock rail of 160 mm width top and side of 100 mm wide and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formaldehyde resin and the shutter shall be rot proof, vermin proof, heat resistant, guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all load, lift, loading and unloading etc., complete. The hollow portion of the frame to be filled with cement concrete 1:2:4 (P 450/7.25)	sqm							
Main door		1	0.90		2.10	1.89		
Door		1	1.20		2.10	2.52		
		2	0.90		2.10	3.78		
						8.19	3710.00	30384.90
Basic	3500.00							
Area Weightage 6%	210.00							
Total rate	3710.00							

Description of item		Unit	No	L	B	D	Qty	Rate	Amount
Providing and laying cold rolled deep profiled metal windows of IS standards, made out of 0.6mm thick deep drawing quality galvanized on both sides 120gm/sq.mtr. Primer coat upto 2microns with thermosetting epoxy resin and finish painted with a polyester based paint 20microns thick. The size of profiles is approximately 45x52mm for external frames, 45x48mm section for shutters, 48x70mm section for centric multi/transoms and 18x30mm section is for lining glasses. The section should be cut to length joint mitered and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanized and fixed with nickel plated self tapping screws. The shutters are provided with approved quality of fixtures like handles made out of zainad alloy die cast and powder coated, receiver made out of glass lined nylon and hinges made out of CRCA powder coated.									
4mm lined glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizontally at 125mm C/C by rivetting to the external frame. The above frames are fixed to the concrete / masonry walls by means of self expanding screws." (P.36 / L. 7.24.11)		sqm							
W			3	0.90		1.25	3.38		
			2	1.80		1.35	4.05		
							8.24	3731.20	30726.43
	Basic	3520.00							
	Area Weightage 6%	211.20							
	Total rate	3731.20							
18	SSRB 10-2 Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following application: (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming, admixed with proprietary water proofing compound conforming to IS 2545 over the RCC slab after cleaning the surface before treatment. (b) laying cement concrete using broken brick bats 25mm to 100mm size with 60% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS 2545 over 20mm thick layer of cement layer at cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 100mm height including rounding off junction of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm pure (portland cement mortar of mix 1:4 bedded with proprietary water proofing compound and finally finishing the surface with gravel and neat cement slurry and mowing of 300x300mm squares. (e) The whole terrace so finished shall be treated with water for a minimum period of two weeks for curing and for final test. including cost of materials, labour complete as per specifications. Page No. 69 Item No. 10.2/PWD SR 2013-14								
	for terrace area		1	13.50		8.70	117.45		
							117.45	779.10	91505.30
	Basic	735.00							
	Area Weightage 6%	44.10							
	Total rate	779.10							

Description of Item		Unit	No	L	B	D	Qty	Rate	Amount
KSRB 15.3.1: Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.10 / PWD SR 2013-14		sqm							
External wall Plastering			2	13.50		3.50	64.50		
			2	7.30		3.50	51.10		
			1	2.80		9.45	28.46		
chajja			1	5.10		1.00	5.10		
		2x1	2	2.10		1.00	4.20		
			1	1.50		1.00	1.50		
			15	1.00		0.30	4.50		
			1	1.00		0.30	0.30		
			15	1.00		0.15	2.25		
			1	7.30		0.60	4.38		
			1	13.50		1.60	21.60		
							215.89		
Deductions									
Main door			1	0.90		2.10	1.89		
doors			1	1.20		2.10	2.52		
			2	0.90		2.10	3.78		
windows			3	0.90		1.25	3.38		
			2	1.80		1.35	4.66		
							16.43		
							199.47	138.86	27637.71
Basic		131.00							
Area Weightage 6%		7.86							
Total rate		138.86							
20 KSRB 15.3.3: Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.11 / PWD SR 2013-14		sqm							
Internal wall		3x2	6	6.80		3.00	122.40		
		3x2	6	4.10		3.00	73.80		
		3x2	6	6.80		0.90	24.48		
sump			2	4.00		2.50	20.00		
			2	3.80		2.50	19.00		
			1	3.80		4.00	15.20		
							274.88		
Deductions									
Main door			1	0.90		2.10	1.89		
doors			1	1.20		2.10	2.52		
			2	0.90		2.10	3.78		
windows			3	0.90		1.25	3.38		
			2	1.80		1.35	4.56		
							16.43		
							258.46	124.02	32053.59
Basic		117.00							
Area Weightage 8%		7.02							
Total rate		124.02							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 15.3-10: Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 120/ Item No. 15.21 / PWD SR -2009-10	sqm							
	Ceiling	3x1	3	6.80		4.10	83.64		
							83.64	163.24	13653.39
	Basic	154.00							
	Area Weightage 6%	9.24							
	Total rate	163.24							
22	KSRB 15.7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 124/ Item No. 15.33 / PWD SR 2013-14	sqm							
	For internal walls and ceiling Qty				342.10		342.10		
							342.10	19.08	6527.17
	Basic	18.00							
	Area Weightage 6%	1.08							
	Total rate	19.08							
23	KSRB 14.7-2: Providing and laying red oxide flooring 40mm thick with an under layer of 30mm thick M15 cement concrete, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 63.5 kg of red oxide per 50kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion) including cost of materials, labour, curing complete as per specifications. Specification No KBS 14.3 Page No. 111/ Item No. 14.9 / PWD SR 2013-14	sqm							
			3	6.80		4.10	83.64		
							83.64	506.68	42378.72
	Basic	475.00							
	Area Weightage 6%	28.58							
	Total rate	506.58							
24	Providing and applying Putty for filling holes (Material components SI.No. 761, Code No. 0315, Page No. XXVII)	sqm							
	For internal wall surface area			342.10			342.10		
							342.10		
				0.50kg/sqm			171.05	80.00	13683.20

Description of item		Unit	No	L	B	D	Qty	Rate	Amount
KSRB 15-15-1 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. Page No. 126/ Item No. 15-51 / PWD SR 2013-14		sqm							
Same Quantity as in Internal plastering				342.10			342.10		
Basic		59.50					342.10	61.07	21575.93
Area Weightage 6%		3.57							
Total rate		63.07							
26 KSRB 15-16 Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 127/ Item No. 15-53-2 / PWD SR 2013-14 with primer		sqm							
External plastering QTY				199.47			199.47		
Basic		74.00					199.47	78.44	15646.03
Area Weightage 6%		4.44							
Total rate		78.44							
27 KSRB 15-17-6 Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No. 128/ Item No. 15-60 / PWD SR 2013-14		sqm							
Main doors			2	0.90		2.10	3.78		
Doors			2	1.20		2.10	5.04		
			4	0.90		2.10	7.56		
W			6	0.90		1.25	6.75		
			4	1.80		1.35	9.72		
Basic		74.00					32.85	78.44	2576.75
Area Weightage 6%		4.44							
Total rate		78.44							
A) Total cost of Buildings									2136911.53

Description of item		Unit	No	L	B	D	Qty	Rate	Amount
B: Electrification work									
Description Of Work		Qty					Rate	Unit	Amount
1 4/8	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing cabling using Copper PVC insulated multi strand 2x1.5sqmm copper wire with a 5 Amps flush type SP Control switch shall be fixed on the existing plastic sheet/gang box. the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. 1 Point wiring using class A Materials a) Short point - upto 3Mtrs from tapping point to out let via switch	7					175.00	Each	1225.00
	b) Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch	10					260.00	Each	2600.00
	c) Long point above 6Mtrs upto 10Mtrs from Tapping point to out let via switch	5					368.00	Each	1840.00
2 1/2	CONCEALED CONDUIT SYSTEM Supplying _____ mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc. and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures run with 18 SWG GI fish wire wherever necessary. a) 19/20mm dia 2mm thick	85					32.00	Per Mtr	2720.00
3 15/6	Supplying and fixing of modular switch/Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate. 6 Amps one way.	15.00					95	Each	1440.00
	c) 6 Amps 3 Way socket	15.00					185	Each	2775.00
	f) 1000-1200watts Dimmer	3.00					700	Each	2100.00
	h) 6 Amps Bell Push	1.00					115	Each	115.00
	i) 32 Amps DP Switch	2.00					365	Each	730.00
4 6/14	Supply and fixing of backfile DP/Socket/switch with/without neon indicator over existing wood board or flush mounting in plastic plates/slitches. i) Using Group 'A' materials								
	a) 32Amps Flush/project type DP switch	2					145.00	each	290.00
	b) 16Amps Flush type SP switch	2					85.00	each	170.00
	c) 16Amps Flush type Universal socket	2					95.00	each	190.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	d) 16Amps Combined switch and socket with indication	2					176.00	each	352.00
5 5/3	Supplying and flush mounting leak wooden box without front plate made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. b) 12"x9"x3" (300x228x76mm)	2					60.00	Each	160.00
	c) 10"x7"x3" (254x178x75mm)	4					68.00	Each	272.00
6 9/20	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multi-strand Copper conductor single core cable in open or concealed system of wiring.								
	a) 1 sqmm	100					11.00	Per Mtr.	1100.00
	b) 1.5 sqmm	150					15.00	Per Mtr.	2250.00
	c) 2.5 sqmm	50					25.00	Per Mtr.	1250.00
7 23/2 3	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 Volts, 50 Cycles, Single Phase AC Supply conforming to ISS-374-1979 and with double ball bearing system. 1 48" Sweep (120 mm)a) Regular model (Kharlan.	1					1800.00	each	1800.00
5 29/2	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin	5					105.00	each	525.00
9 16/2	Supply partly type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A.	3					400.00	each	1200.00
10 28/5	Fixing all types and all capacities fluorescent/tube ceiling /spot light/CFL fitting indoor on the wall/ceiling /rafters/girders using 23/0.0076" twin twisted PVC insulated wires, required nos of round	10					130.00	each	1300.00
11 58/1	Supplying, fixing wiring earth electrode for grounding conduits, I C Outlets and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit. The pit should be filled with equal proportion of soil and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduit etc. is to be established through 2 pieces of galvane nails.	1					1950.00	Each	1950.00

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Supplying of LT UG cable having Aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel 130 armoured cable with PVC outer sheathing 1.1KV Class 1, Class 'A' PVC Cable d) 4 core 16sqmm	15					150.00	P/Mtr	2250.00
13	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/on wall/on pole as required. 1. In existing trench /duct, a) 6sqmm to 18 10sqmm	50					8.00	P/Mtr	400.00
14	Digging of trench of 0.5m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc. complete. (As per Civil SP KSRB 1-2, P-7) a) In	30					40.00	P/Mtr	1200.00
15	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class, a) 40 mm	5					240.00	Each	1200.00
16	Supplying and fixing L.T. cast iron pot heads suitable for 1.1 KV class UG cable fitted with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. d) 35	1					313.00	Each	313.00
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required,	1					1005.00	Each	1005.00
19	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc. complete, c) 60 Amps	4					219.00	Each	876.00
20	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc. complete. a) 14 SWG	10000					0.37	Each	3700.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
21 10/2 2	Supplying 4mm thick plastic sheet with necessary niches for fixing switches regulators etc. and fixing on existing wooden or metal box using N.F. Screws	2500					0.22	P/Sqcm	550.00
22 13/7	Supplying push button operated direct online starter with an antiweld silver cadmium oxide contactor with replaceable fixed and moving contacts and bi-metallic thermal overload relay help in anti-corrosion treated sheet steel or iron clad closure and fixing the same to suitable capacity wires for 400/440 volts 3 phase motor/single phase motor	1					1607.00	Each	1607.00
23 26/2 6	Supplying and drawing P/V flexible unarmored copper control cable of approved make i) b) 3c X 2.5sqmm	30					129.00	Mtr	3870.00
Lowest Quotation Rates									
24	Supplying of 3 phase, 1 Hp Motor.	1					8000.00	Nos	8000.00
B) Total cost of Electrification works									53025.00
53	Bescom deposit								2188936.53
13	1% of Quality control charges						L/s		10000.00
14	KRIDL charges + Labourcess (11%)								25000.00
15	Miscellaneous charges								275000.00
									1063.47
(Rupees Twenty five lakhs Only)									Total 2500000.00

CERTIFICATE

- 1 The work spot has been inspected and the work is found necessary
- 2 This estimate is prepared as per C.S.R. of 2013-14.
- 3 The provisions were made in this estimate are necessary and adequate
- 4 This works come under B.B.M.P. limits

Ramneeraj
Assistant Engineer

h. ad
Assistant Executive Engineer
Yalahanka Sub Division
Bangalore-64

Executive Engineer
Yalahanka Division
Bangalore-64

Twenty five lakhs only
P2434 Development
works for Bangalore city

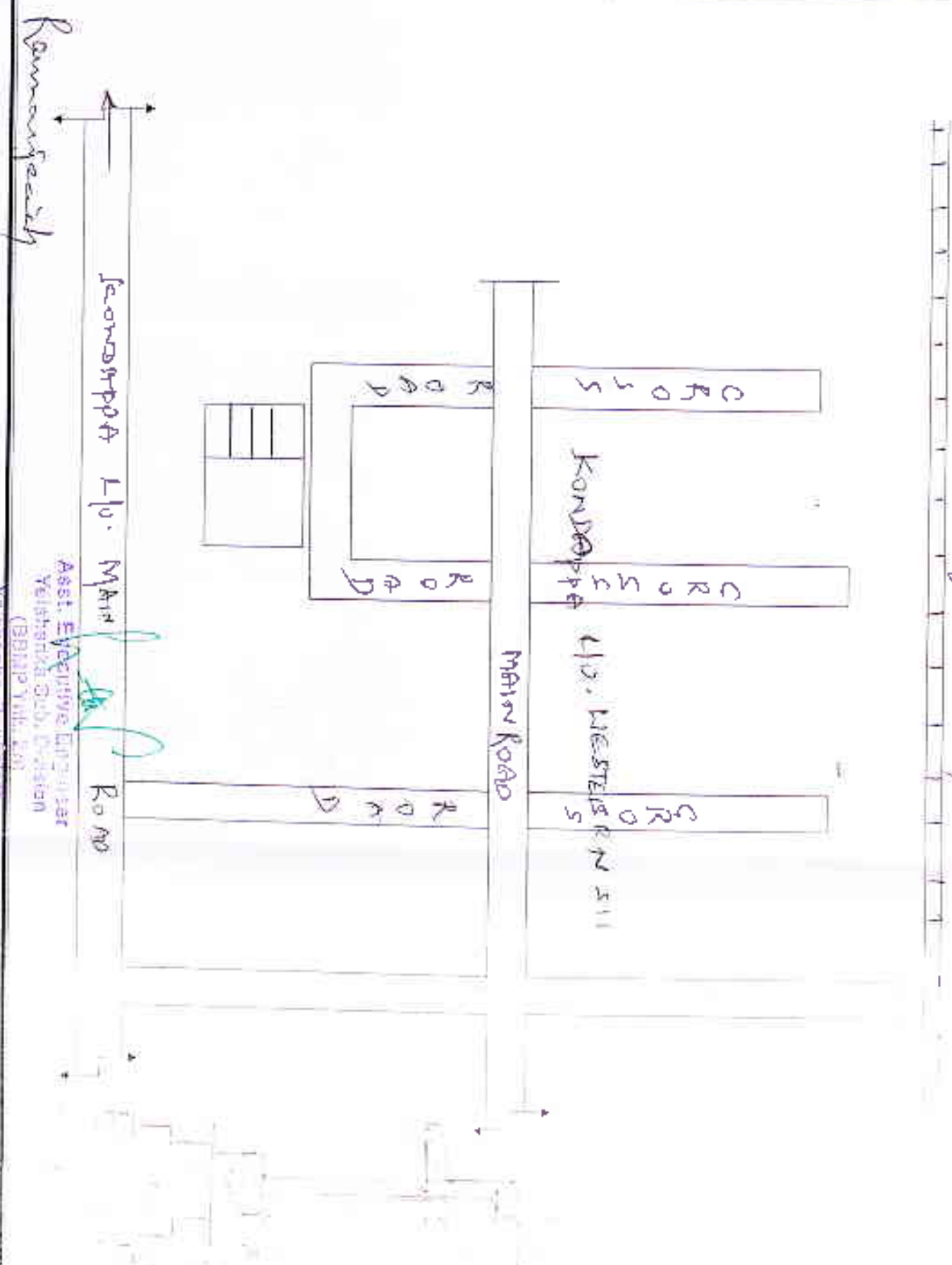
Twenty five lakhs only 2500000
P2434 Development works
for Bangalore city

BEMP/YNK/JC/AA/900/13-14
02/02/14 2500000

BEMP/YNK/CE/TS/295/13-14
25/2/2014 2500000

NAME OF WORK: CONSTRUCTION OF ADDITIONAL CA
 KONDAPPA L/O. IN UNDOO. OF YAK. SUB DIV

EXISTING RAILWAY



Asst. Executive Engineer
 Yelshanka Qd. Division
 (BBMP Unit, 20)
 Yelshanka, Bangalore